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# Joint Information Operations Threat Working Group (JIOTWG)

Information Operations Capstone  
Threat Capabilities Assessment

November 2003

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**Mr. Jeff Thompson, DIA/MIO-9, Co-chair**  
**Mr. Steve Gates, DOT&E, Co-chair**

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# Agenda

- Issue
- JIOTWG Purpose
- JIOTWG Membership
- Progress to Date
- IO capstone Components
- How to Use the IO Capstone
- Where to Find the IO Capstone
- Program-tailored Assessments
- Future Steps



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# Issue

Develop a self-sustaining process for timely  
and realistic IO Threat Capabilities  
Assessments for all acquisition programs,  
including MAIS, as well as OT&E

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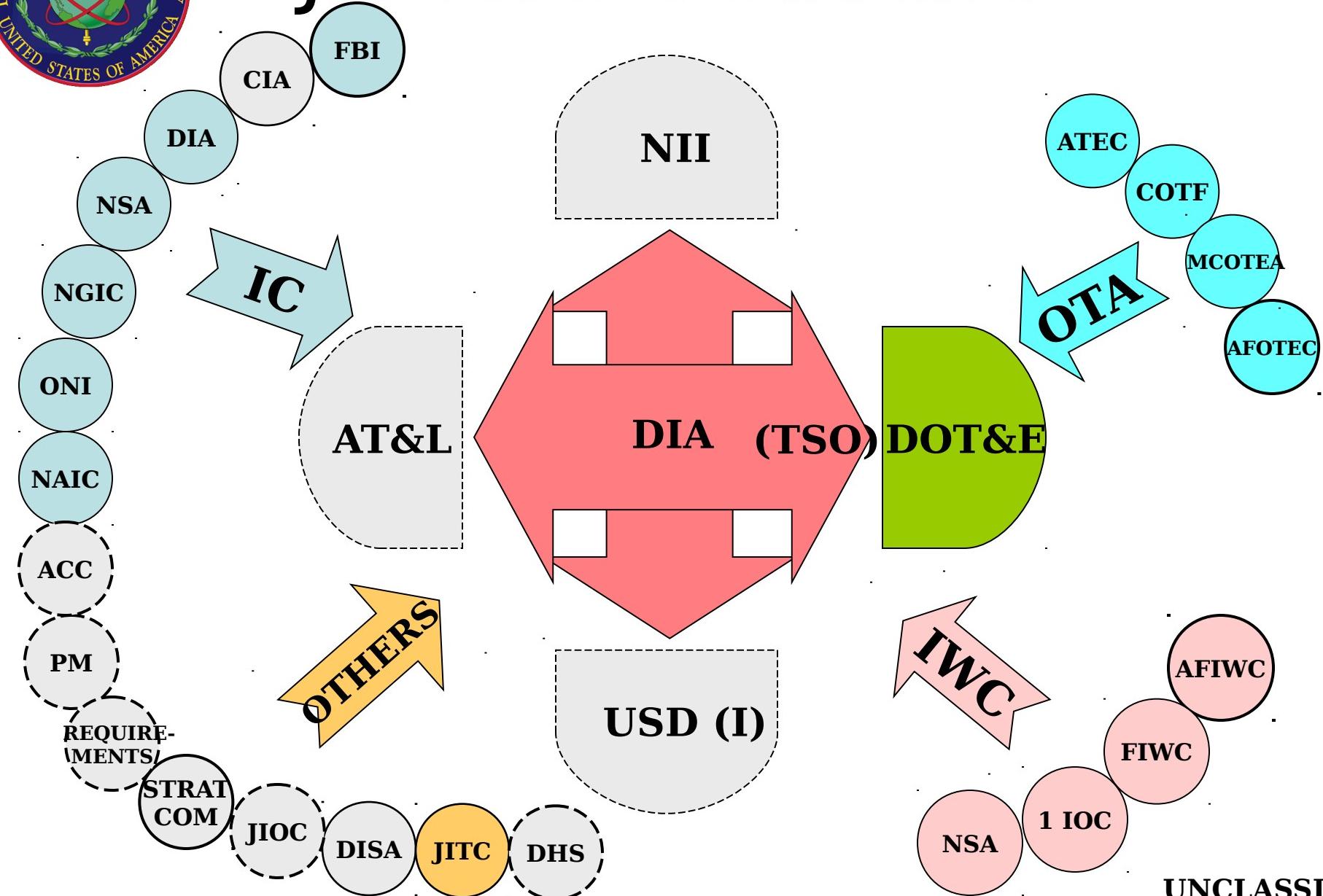
# JIOTWG Purpose

- **Improve program threat documents via an IO Capstone Threat Capabilities Assessment**
- **Provide Programs, T&E Community, COCOMs, and Red Teams:**
  - Timely, realistic, adequate threat portrayal
  - Capabilities Based IO Threat
- **DoDI 5000.2 requirement for MAIS**
- **Support Congressional directive for more frequent and more realistic IA evaluations in OT&E and COCOM exercises**

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# JIOTWG Structure



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# Progress to Date

- **Detailed Production Requirements and Production Plan established**
  - Updates to the Capstone every 6 months
  - Fully developed Capstone scheduled for June 2005
- **IO Capstone Threat Capabilities Assessment (TCA), 1<sup>st</sup> Edition**
  - Validated by DIA in April 2003
  - SWA scenario threat environment described for initial assessment
  - Significant emphasis on capabilities-based analysis
  - On Intelink in August 2003
  - Hardcopies sent out in October 2003
    - Getting copies
- **Initiated OSD Information briefing**



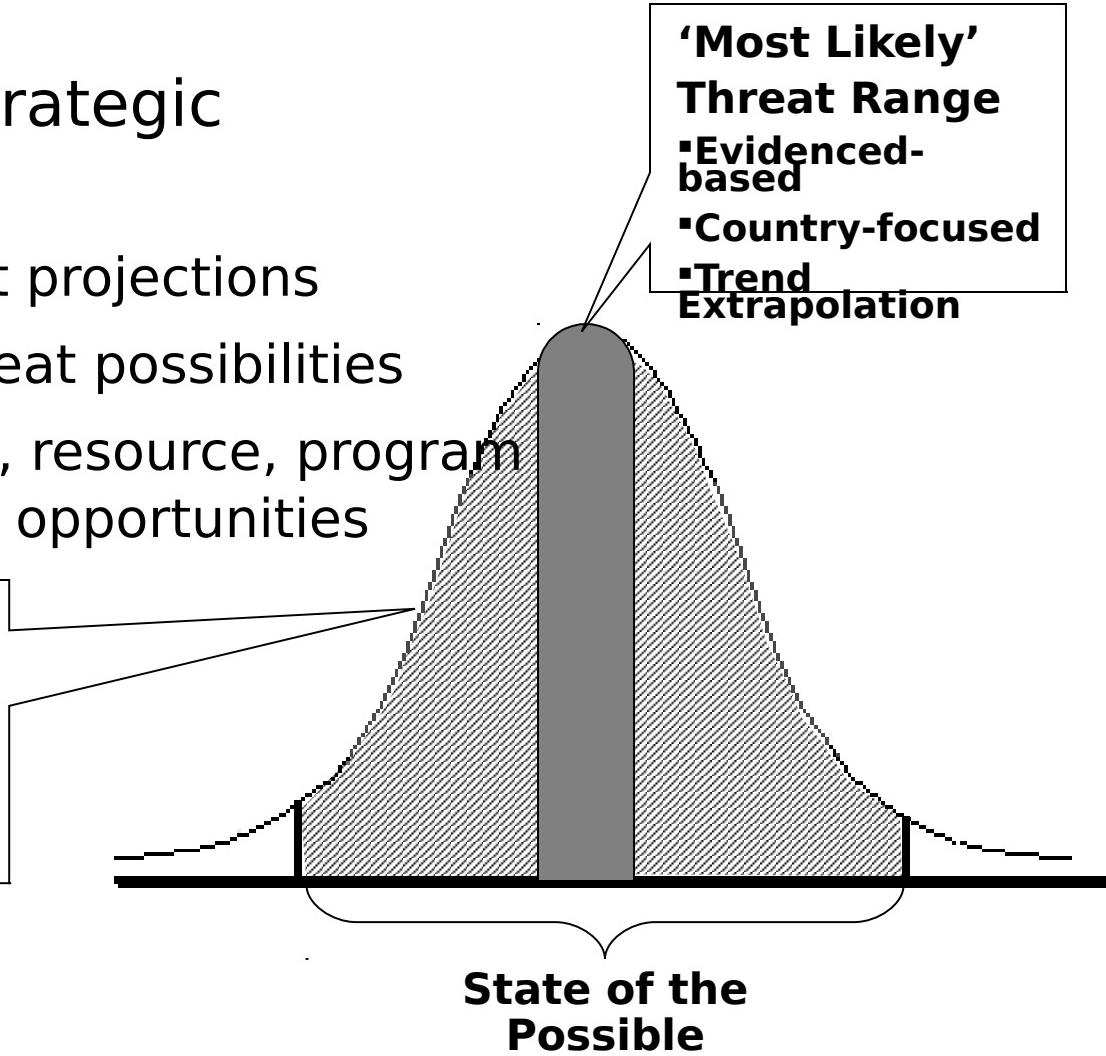
# Customers' Needs

## Better Insights For Strategic Decisionmaking

- 'Evidence-based' threat projections
- 'Capabilities-based' threat possibilities
- Help in examining risks, resource, program tradeoffs, and strategic opportunities

**'Capabilities-Based' Threat Range**  
▪ 'State of the possible'  
▪ Globally-focused  
▪ How adversaries might cope

**'Most Likely' Threat Range**  
▪ Evidence-based  
▪ Country-focused  
▪ Trend Extrapolation





# IO Capstone Components

- **Executive Summary**
- **Introduction**
- **Mission/Threat Area Description**
- **Operational Threat Environment**
  - Present, 5 years, 10 years
  - 7 potential adversaries
  - Joint Operations
  - 5 Individual Components of IO (EW, CNO, D&D, PSYOPs, and Physical Destruction)
    - Strategy and Doctrine
    - Targeting of DoD Networks
    - Organizations Related to CNO
    - CNO Capability Components



# IO Capstone Components

- Projected Threat Capabilities (Present, 5 years, 10 years)
  - EW (EA and ES)
  - CNO (CNA and CNE)
    - When, Who, and What
  - D&D
  - PSYOPs
  - Physical Threats
- S&T Developments and Trends
  - Improved-version of Technologically Feasible Threat
  - Out to 20 years



# How to Use the Capstones

- **Review Capstone(s) regularly for threats relevant to your system (5 components)**
  - IO is 1 of 8 published or proposed Capstones
  - Basis for evaluating program impact and protective measures
  - Remember - IO Capstone threats updated every 6 months
- **Data-intensive repository of threat information**
  - Technical details on adversary weapons and tools
- **Source material for ICDs, AoAs, CDDs, CPDs, tailored Adversary Capabilities Assessments (ACA), Test Threat Support Packages (TTSP)**
  - Advance notice on type of threats to be encountered in OT&E



# Tailored Assessments

- **MAIS programs may want threat assessments tailored to them (ACA)**
  - Focus on threat analysis, threat significance, and program impact
- **3 Options:**
  - Draft own assessment based on Capstone
    - Provide to DIA/DWO-3 for tasking to the expert intelligence community office(s) for review and comment
  - Request appropriate Service Intelligence Center to write
  - Contact DIA/DWO-3 for IC writing
    - Tasked out to office(s) of expertise
    - Allow 6 months



# Defense Intelligence Agency

Committed to Excellence in Defense of the Nation



## Intelligence Subjects

Full Listing by Directorate

• Acquisition Support  
• C4I/EW

• Collection Information

Contingency/Operational Support

- Counterdrug
- Counterintelligence
- Combating Terrorism
- Counterproliferation /NBC Warfare
- Defense Economics
- Defense Industries
- Denial and Deception

Domestic Intelligence Highlights

• Energy

Foreign Exchanges and Disclosures Office

• Geospatial Intelligence

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## DIA Specific

### Info.

DIA Internal

• Services Organizations

DIA OAG Travel System

- DIA Directory
- DIA Phonebook
- Directions to DIA
- DIA Splash Page
- Administrative Info.

Comments and Feedback

- Other DIA Services
- Intelink Help

DIA Master Cont. Plan

Education and Train..

Property Accountabili

elligence  
Products  
Information/Servic  
es  
• Current Intelligence  
Analysis

Defense Executive Intelligence Notes

- DIA/J2 EH
- JITF-CT Product
- J2 Current Analysis

Joint Staff J2 Intelligence Update

J2 Warning Concerns

J2 NATO Posted Products

I&W WATCHCON Chart

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UO at Levels



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# Acquisition Support Division

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Updated: Wednesday, 09-Jul-03 10:10:05

**Mission Statement:** *"Serve as the focal point for the development and production of threat assessments in support of the Defense Acquisition System for all major defense acquisition programs (MDAPs). Support the Joint Capabilities and Integration Development System (JCIDS) through early involvement in Functional Needs Analysis. Manage the Integrated Air Defense Systems (IADS) Special Production Program."*

## PRODUCTS

DWO-3 Business Plan

Assessments

Key Briefings

Guidance

## SECTIONS

Air Warfare

C4ISR-EW Warfare

Land Warfare

Missile Warfare

Naval Warfare

Space Warfare

## SUPPORT

DWO-3 Directory

Two Year Planner

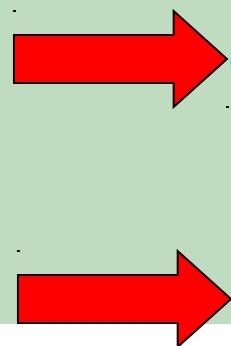
Upcoming Events

DOT&E T&E Oversight List

DPG

MDAP List

IO & Space  
Capstones



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### **Capstone Threat Capabilities Assessments**

[Threat Capabilities Assessment - \(U\) Information Operations \(IO\) Capstone - First Edition \(Aug 2003\) | PDF](#)

[Interim Space Capstone Threat Capabilities Assessment \(U\)](#)

### **Acquisition Intelligence Reports**

DRAFT - DI-1577-25-03, (U) Threats to the DoD Biometrics Enterprise System  
DI-1577-1-02, (U) US Airborne Laser: Threats and Targets

DI-1577-21-03, (U) Threat to Medical Automated Information Systems: Composite Health Care System and  
Theater Medical Information Program

### **Defense Executive Intelligence Notes**

DEIN-01-03/DWO, (U) Adversary Capabilities to Counter the RQ-4A Global Hawk  
DEIN-02-03/DWO,  
(U) Adversary Capabilities to Counter the Distributed Common Ground System-Army

### **Information Papers**

DI-1577-8-03, (U) The Threat to the Warfighter Information Network-Tactical (WIN-T)  
DI-1577-10-03, (U) Small Warships and Patrol Craft employing Swarm Tactics  
DI-1577-13-03, (U) The Threat to the Combatant Commanders' Integrated Command and Control System (CCIC2S)  
DI-1577-15-03, (U) Threats to the Joint Tactical Radio System  
DI-1577-18-03, (U) Threats to the Joint Chemical Agent Detector



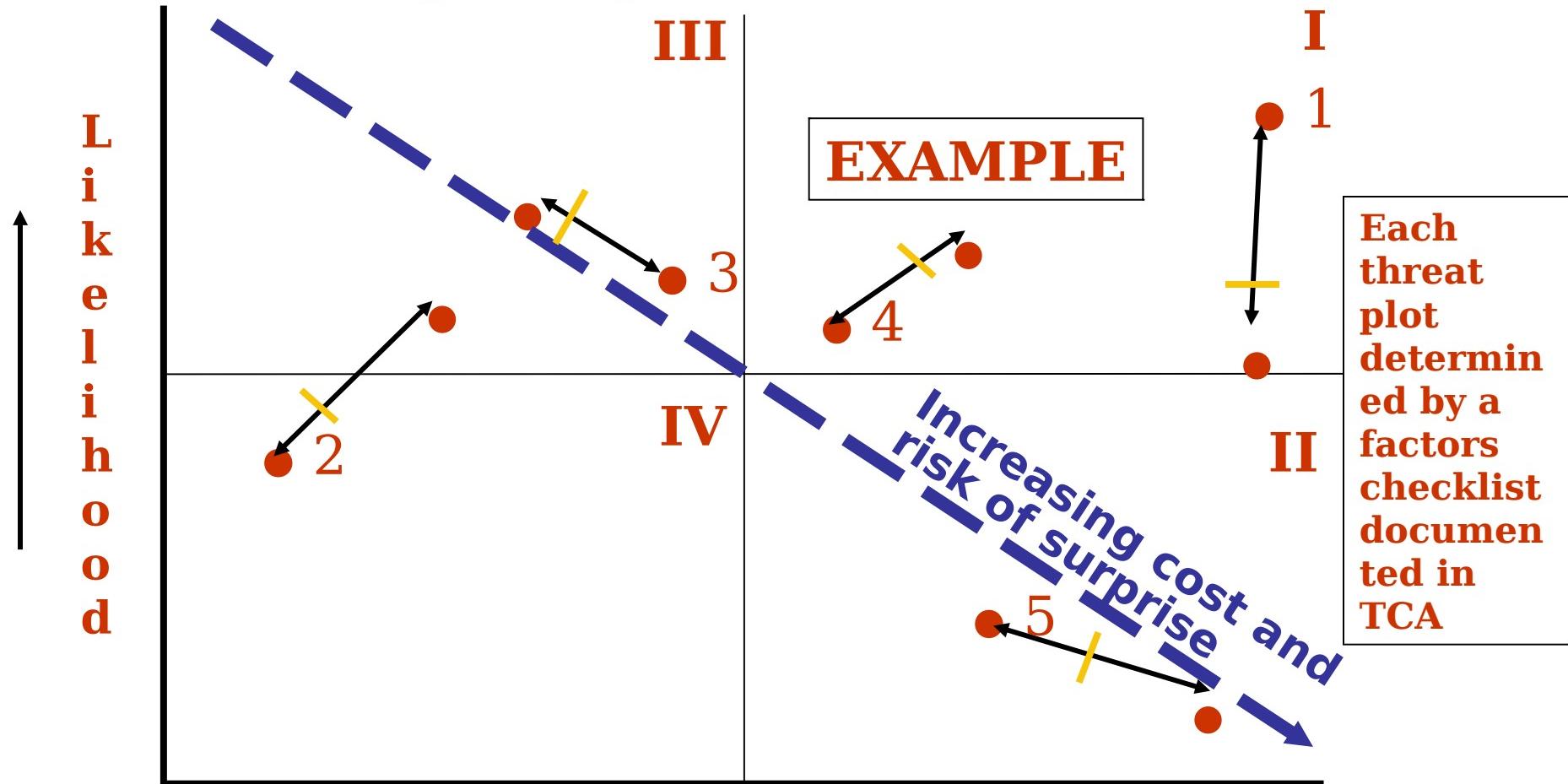
# Next Steps

- **Complete IO Capstone, 2<sup>nd</sup> Edition - December 2003**
  - China will be the operational threat environment focus
  - Projected threats will receive continued emphasis for 2008/2013 timeframes
- **Feedback via automated customer feedback forms to assist future focus and content**
- **Third Edition (Jun 04) will focus on North Korea, as well as worldwide technologically feasible and reactive threats**
- **Integrate the efforts of the JIOTWG with the Risk Assessment working groups for the GIG SPO**
- **New tools to support assessment and portrayal of capabilities-based threats to aid decision-making**
  - Near real-time knowledge map



# UNCLASSIFIED Graph: Composite Adversary Capabilities

[DoD Capability] [F-22] [FCS] in Taiwan Strait



Numbered lines represent different threats or capabilities and the range of possible developments

Impact

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Orange slash indicates asset most likely threat development



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